

Levene, of the Rockefeller Institute, and since then have been the guests of the institute.

When Dr. Pavlov attempted to get the British visé to his passport he was told that it could not be done. He was accompanied by Dr. Levene, who explained that Dr. Pavlov was not a Bolshevik, that in fact he was anti-Bolshevik, but the passport bureau of the British consulate maintained that they could not visé any Soviet passport without express instructions. Two visits were made by the Pavlovs and Dr. Levene to the consulate, on Thursday and again yesterday, but without success, the son explained last night.

In his Petrograd laboratories Dr. Pavlov has thirty doctors and other helpers working under his direction. Despite his anti-Soviet beliefs, the Soviet Government has protected him and aided him in maintaining his laboratories because of his scientific research. Recently the Soviet Government published his collected papers and distributed them. In recent years he has studied the psychology of animal instinct and formed theories of sleep and hypnotism. His chief researches deal with the physiology of the heart, secretion of the glands, digestion and the producing of gastric and pancreatic fluid.

SCIENTIFIC NOTES AND NEWS

DR. WILLIAM ALLEN PUSEY, emeritus professor of dermatology in the School of Medicine of the University of Illinois, has been elected president of the American Medical Association in succession to President Ray Lyman Wilbur, of Stanford University.

DR. CHARLES A. BRÖWNE, chemist in charge of the New York Sugar Trade Laboratory, has been appointed chief of the Bureau of Chemistry, to succeed Dr. C. L. Alsberg, now director of the Food Research Laboratory at Stanford University.

DR. WILLIAM W. KEEN completed fifty years of service on the board of trustees of Brown University on June 21. Dr. Keen, who is 86 years old, left for Europe, following the reading of a resolution, extending felicitations to him.

THE Board of Trustees of the University of Chicago has appropriated the sum of five thousand dollars for the expense in connection with the experiment now being conducted at Mount Wilson Observatory, California, by Professor A. A. Michelson, head of the department of physics.

A TRUST fund for establishing a fellowship in biological chemistry in the College of Physicians and Surgeons, Columbia University, to be named in honor of the founder of that department, Dr. William John Gies, will be presented at its twenty-fifth anniversary. The committee will also present to Professor Gies an

illuminated book containing testimonial letters of appreciation from former students, and from friends in this country and Europe.

THE gold medal of the Royal Society of Medicine, awarded triennially to a scientist for contributions to the science and art of medicine, has this year been awarded by the council to Professor F. Gowland Hopkins, F.R.S., professor of biochemistry in the University of Cambridge.

DR. LIVINGSTON FARRAND, president of Cornell University, was elected president of the National Tuberculosis Association at its recent annual convention in Santa Barbara, Calif. President Harding and Colonel George E. Bushnell, U. S. Army, retired, were named honorary vice-presidents. Memphis, Tennessee, was selected as the next convention city.

AWARDS for the scientific exhibits at the American Medical Association meeting in San Francisco were made as follows: the gold medal to Dr. Frank Hinman and his associates at the University of California; the silver medal to Dr. Benjamin T. Terry, Nashville, Tenn. Certificates of merit were given to the U. S. Public Health Service; the department of anatomy, University of California, and the League for the Conservation of Public Health of California. The following were given honorable mention: Dr. Hans Lisser, head of the department of endocrinology, University of California Hospital, and Mr. Ralph Sweet, the Mayo Clinic; Dr. Harry J. Corper, Denver; Dr. Robert E. Farr, Minneapolis; Dr. Amedee Granger, New Orleans, and Dr. Irving F. Stein, Chicago.

W. NELSON SMITH, consulting electrical engineer of the Winnipeg Electric Railway Company, and John W. Shipley, professor of chemistry at the University of Manitoba, have been awarded the Plummer Medal by the Engineering Institute of Canada, for their two research papers entitled, "The Self-Corrosion of Cast Iron and Other Metals in Alkaline Soils" and "The Self-Corrosion of Buried Lead Pipes."

THE council of the Institution of Civil Engineers has made the following awards for papers read at the meetings during the year 1922-1923: Telford medals to Mr. H. W. H. Richards (London) and Mr. E. O. Forster Brown (London); a George Stephenson medal to Mr. Asa Binns (London); a Watt medal to Mr. A. B. Buckley (Winchester); Telford premiums to Mr. W. A. Fraser (Edinburgh), Mr. S. L. Rothery (Calexico, U. S. A.), Mr. Mark Randall (Johannesburg), and Mr. D. E. Lloyd-Davies (Cape Town); an Indian premium to Mr. D. H. Remfrey (Calcutta); a Manby premium to Mr. F. M. G. Duplat-Taylor (London), and a Crampton prize to Mr. F. W. Jameson (Kimberley).

DR. B. A. KEEN, head of the physics department of the Rothamsted Experimental Station, has been appointed assistant director of the station.

DR. GEORGES DREYER, C.B.E., F.R.S., professor of pathology in the University of Oxford, has been appointed a member of the Medical Research Council in the vacancy caused by the resignation of Major-General Sir William Leishman, F.R.S., consequent on his appointment to be director-general, Army Medical Services.

PROFESSOR GEORGE HALCOTT CHADWICK, for the past nine years in the department of geology at the University of Rochester, has resigned in order to accept a research position with the Empire Company, at Bartlesville, Oklahoma.

DR. CASIMIR FUNK has accepted a call to organize a department of nutrition in the State Institute of Hygiene in Warsaw, Poland. He sailed on July 13 from Quebec and is planning to stay away two years.

DR. C. N. FENNER, of the Geophysical Laboratory of the Carnegie Institution of Washington, is spending the summer in the Katmai region, Alaska, to continue his studies of the phenomena of the 1912 eruption of Katmai volcano.

OLAF P. JENKINS, associate professor of economic geology, State College of Washington, is making a geological examination of the coals of Skagit County, Washington, for the division of geology of the Department of Conservation and Development. This is a continuation of the work he did in Whatcom County last summer, the report of which is now in the hands of the state printer.

DR. ARTHUR KNUDSON, professor of biological chemistry in the Albany Medical College, sailed from Montreal on July 6 for Edinburgh. After attending the International Physiological Conference at Edinburgh he will travel in northern Europe. In the autumn he expects to return to the University of Cambridge where he will spend several months in study and research.

DR. E. R. DOWNING, associate professor of natural science in the School of Education of the University of Chicago, who has been in Europe the past nine months studying the teaching of science in European schools, has returned.

At the invitation of the Rockefeller Institute, Dr. Diego Fernández Fajardo of Yucatan will visit New York and the institute.

PROFESSOR JOHN MERLE COULTER, head of the department of botany at the University of Chicago, has been asked by a committee in New York representing

a committee of educators in China and a university in Japan to spend six months in Japan and China lecturing at the colleges and universities of those countries. It is expected that he will address audiences of a more popular character as well as bodies of students and teachers. It is expected that Professor Coulter will speak on subjects pertaining to his own special field of study, botany; on larger questions pertaining to science in general; and on the relations of science to religion and civilization.

DR. CHARLES SHEARD, head of the division of ocular and professional interests of the American Optical Company, Southbridge, Mass., gave a lecture on the evening of June 21 before the Mayo Foundation Chapter of the Sigma Xi, Rochester, Minnesota, on "The physiological and pathological effects of radiant energy upon the human eye."

A REPRESENTATIVE meeting was held on June 1 at the Royal Society of Medicine, at which it was decided to establish a memorial to the late Professor A. D. Waller and Mrs. Waller, in the form of a fund to be used for the promotion of scientific research. In recognition of their close association with the London School of Medicine for Women, where Professor Waller succeeded Sir Edward Sharpey Schafer as lecturer in physiology, and Mrs. Waller was first a student and afterwards a member of council, a position which she held to the last year of her life, it was decided that the research fund should be entrusted to, and administered by, the council of that school. A committee was formed to carry out this plan, of which Sir E. Sharpey Schafer is chairman.

WE learn from *Nature* that in order to commemorate the late Dr. W. S. Bruce, the polar explorer, a Bruce Memorial prize has been founded by subscription among his friends and admirers. The prize, which will take the form of a bronze medal and money award, is to be given from time to time for notable contributions to natural science in the nature of new knowledge resulting from personal visits to polar regions. The prize will be open to workers of all nationalities, with a preference for young men at the outset of their careers as investigators.

THE Paris correspondent of the *Journal* of the American Medical Association reports that more than 15 million insignia (tags) were sold, for the benefit of the scientific laboratories, on Pasteur tag day. In the environs of Paris alone, the sum collected reached around 600,000 francs. There were several different forms of insignia, all of them designed by the best artists. The "tag" designed by Maurice Denis represents Pasteur leaning over his work table, examining with a microscope the milk he is taking from various bottles. In the foreground is the figure of a young

mother, seated, with a sick child on her lap, the drawn lines on her face betraying her great anxiety. The man who pushed back death is the theme developed by Paul Albert Laurens. His design represents an angel thrusting back the scythe swung by the skeleton figure draped in white, which has been for centuries the incarnate conception of death. Poulbot designed a vignette which represented a young boy bitten by a mad dog, thus recalling the discovery of the antirabic vaccine. Abel Faivre was content to perpetrate a pun. The scientist is represented with a halo about his head, while beneath are inscribed the words: *Le bon Pasteur* (the Good Shepherd).

CANON WILLIAM WEEKES FOWLER, vicar of Earley, Reading, England, known for his work on the Coleoptera, died on June 3, at the age of seventy-four years.

M. K. LOWEGREN, the first professor of ophthalmology in Sweden, has died at the age of eighty-seven years.

PROFESSOR HEINRICH BORUTTAU, director of the Friedrichshain Hospital, Berlin, known for his work in physiological chemistry, and on the problems of nutrition, died on May 15, aged fifty-four years.

DR. HANS GOLDSCHMIDT, inventor of the Goldschmidt thermite process, died at Baden-Baden on May 21, aged sixty-two years.

THE French Association for the Advancement of Science holds its meeting this year at Bordeaux from July 30 to August 4.

THE New York State Horticultural Society, with a membership of several hundred prominent fruit growers scattered throughout western New York and the Hudson River Valley, will hold its summer meeting on the grounds of the New York Agricultural Experiment Station at Geneva on August 1.

UNIVERSITY AND EDUCATIONAL NOTES

GOVERNOR SMALL has signed the bill appropriating the sum of \$400,000 to establish a medical research laboratory at the University of Illinois.

AT the annual commencement exercises of the Northwestern University on June 18, it was announced that \$100,000 had been received under the will of Mrs. G. F. Swift, and a like amount from Elbert H. Gary, John C. Shaffer and "A Friend."

A TRAVELING fellowship in medicine has been established at the Cornell University Medical College for

1923-1924 amounting to \$2,000. It is available for men and women who have graduated from Cornell within ten years or who are graduates of other medical colleges within ten years who are now attached to the instructing staff of this college. This fellowship has been awarded to Harold Edwin Himwich, who obtained the degree of B.S. from the College of the City of New York in 1915 and the M.D. degree from Cornell University in 1919.

CHARLES W. PUGSLEY, assistant secretary of agriculture, has submitted his resignation, effective on October 1, to accept the presidency of the South Dakota State College of Agriculture and Mechanical Arts at Brookings.

AT their meeting on June 18, the trustees of Cornell University appointed Dr. Robert M. Ogden, professor of education, dean of the College of Arts and Sciences to fill the vacancy which has existed since the resignation of Professor Frank Thilly, professor of philosophy.

RICHARD E. SCAMMON, Ph.D., has been appointed acting director of the department of anatomy of the University of Minnesota during the year's absence of Dr. Clarence M. Jackson, who will serve as chairman of the medical division of the National Research Council during the coming year.

DR. BOWMAN C. CROWELL, of Charleston, S. C., has been appointed professor of pathology in the Jefferson Medical College of Philadelphia, to succeed Dr. William M. L. Coplin, who has resigned.

DR. H. H. WILLARD has been appointed full professor of analytical chemistry in the University of Michigan.

MR. E. C. WILLIAMS has been appointed to the Ramsay Memorial chair of chemical engineering at University College, London. He has been research chemist to the joint research committee of the University of Leeds and the National Benzol Association.

DISCUSSION AND CORRESPONDENCE

PHOTOGRAPHIC PLATES FOR THE EXTREME ULTRA-VIOLET

IN recent years there have been a number of attempts to improve the photographic methods, perfected by Schumann, used in the investigation of the ultra-violet, so far without any very striking results.

Recently Mr. David Mann and I have been making some experiments with the daguerreotype process. The results, though interesting, are so far of no great practical value. It is not difficult to prepare a surface which will be very sensitive in the region about